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Substitute for form 1449A-B/PTO

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

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Complete if Known

Application Number	10/620,315
Filing Date	July 14, 2003
First Named Inventor	Mosh Rosenberg
Group Art Unit	1761
Examiner Name	Unassigned
Attorney Docket Number	309J-000310US
Date Submitted	December 5, 2003

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, lines, Where Relevant Passages or Relevant Figures Appear
MM	1	4,073,960		Scott et al.	02-14-1978	
MM	2	4,642,317		Palmquist	02-10-1987	
MM	3	4,689,293		Goosen et al.	08-25-1987	
MM	4	4,826,694		McAskie	05-02-1989	
MM	5	4,853,233		McAskie	08-01-1989	
MM	6	4,909,138		McAskie	03-20-1990	
MM	7	5,143,737		Richardson	09-01-1992	
MM	8	5,234,701		Cummungs et al.	08-10-1993	
MM	9	5,789,001		Kiopfenstien et al.	08-04-1998	
MM	10	5,874,102		LaJoie et al.	02-23-1999	
MM	11	6,229,031	B1	Strohmaier et al.	05-08-2001	
MM	12	6,242,013	B1	Luhman et al.	06-05-2001	

FOREIGN PATENT DOCUMENTS

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		Office	Number	Kind Code (if known)				

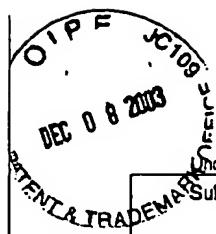
OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
MM	13	American Heart Association and National Heart, Lung and Blood Institute. 1990. "The cholesterol facts: A summary of the evidence relating to dietary fats, serum cholesterol and coronary heart disease." <i>Circulation</i> 81(5):1721-1733.	
MM	14	ASHES et al. (1992) "Manipulation of the fatty acid composition of milk by feeding protected canola seeds." <i>Journal of Dairy Science</i> , 75(4): 1090-1096.	
MM	15	ASHES et al. (1997) "Potential to alter the content and composition of milk fat through nutrition." <i>Journal of Dairy Science</i> , 80: 2204-2212.	
MM	16	ASHES et al. (2000) "Utilisation of rumen protected n-3 fatty acids by ruminants." <i>Recent Advances in Animal Nutrition</i> , pp. 122-140.	

Examiner Signature	/Melissa Mercier/ (10/04/2006)	Considered
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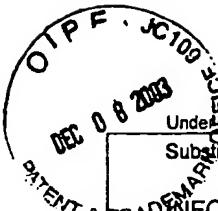
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MM	17	BAER (1991) "Alteration of the fatty acid content of milk fat." <i>Journal of Food Protection</i> 54(3): 383-386.	
MM	18	BANKS (1987) "Opportunities for varying the composition of cows' milk." <i>Journal of the Society of Dairy Technology</i> 40(4): 96-99.	
MM	19	BANKS et al. (1980) "The yield, fatty acids composition and physical properties of milk fat obtained by feeding soya oil to dairy cows." <i>Journal of the Science Food & Agriculture</i> 31: 368-374.	
MM	20	BANKS et al. (1983) "Dietary manipulation of the content of fatty acid composition of milk fat." <i>The Proceedings of the Nutrition Society</i> , 42: 399-406.	
MM	21	BeMILLER and WHISTLER (1996) "Carbohydrates. In: O.R. Fennema (Ed), 'Food Chemistry,'" Third Edition, pp. 158-221. Marcel Dekker, Inc., New York, NY.	
MM	22	CANT et al. (1997) "Effect of fish oil and monensin on milk composition in dairy cows." <i>Canadian Journal of Animal Science</i> , 77: 125-131.	
MM	23	CHILLIARD et al. (2000) "Ruminant milk fat plasticity: nutritional control of saturated, polyunsaturated, trans and conjugated fatty acids." <i>Annales de Zootechnie</i> 49:181-205.	
MM	24	CHOINARD et al. (1997) "Performance and profiles of milk fatty acids of cows fed full fat, heat-treated soybeans using various processing methods." <i>Journal of Dairy Science</i> , 80: 334-342.	
MM	25	CHOINARD et al. (1997) "Dietary soybeans extruded at different temperatures: Milk composition and in situ fatty acid reactions." <i>Journal of Dairy Science</i> , 80: 2913-2924.	
MM	26	CLARK (1998) "Gelation of globular proteins." In: Hill, S.E., Ledward, D.A., Mitchell, J.R., <i>Functional Properties of Food Macromolecules</i> (pp. 77-142). Maryland: Aspen Publishers.	
MM	27	COOK et al. (1972) Formaldehyde treated casein-safflower oil supplement for dairy cows The Journal of dairy research." 39: 211-218.	
MM	28	DePETERS et al. (1993) "Influence of feeding fat to dairy cows on milk composition. (Ed). October 21, 1993; pages 199-215. Proceedings 1993, 55th Cornell Nutrition Conference for Feed Manufacturers. Rochester, NY	
MM	29	DePETERS AND AVILA (2000) "Dietary fat for lactating dairy cows." Pages 53-82 in Proc. <i>California Animal Nutrition Conference</i> , May 10 & 11, Fresno, CA.	
MM	30	DePETERS et al. (2001) "Fatty acid and triglyceride composition of milk fat from lactating Holstein cows in response to supplemental canola oil." <i>Journal of Dairy Science</i> , 84:929-936.	
MM	31	DHIMAN et al. (1999) "Conjugated linoleic acid content of milk and cheese from cows fed extruded oilseeds <i>Journal of Dairy Science</i> , 82: 412-419.	
MM	32	DOREAU AND CHILLIARD (1997) "Effects of ruminal or postruminal fish oil supplementation on intake and digestion in dairy cows." <i>Reproduction, Nutrition, Development</i> . 37: 113-124	

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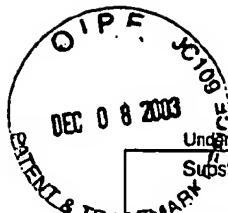
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MM	33	ENJALBERT et al. (1997) "Effect of dietary calcium soaps of unsaturated fatty acids on digestion, milk composition and physical properties of butter." <i>The Journal of Dairy Research</i> , 64: 181-195.	
MM	34	FOTOUCHI AND JENKINS (1992) "Resistance of fatty Acyl amides to degradation and hydrogenation by ruminal microorganisms." <i>Journal of Dairy Science</i> , 75: 1527-1532.	
MM	35	GARRETT (1976) "Increasing the polyunsaturated fat content of beef and lamb." <i>Journal of Animal Science</i> , 42(4): 845-853.	
MM	36	GIESEY et al. (2002) "Effect of dose of calcium salts of conjugated linoleic acid (CLA) on percentage and fatty acid content of milk fat in midlactation Holstein cows." <i>Journal of Dairy Science</i> , 85: 2023-2029.	
MM	37	GRUMMER (1988) "Influence of prilled fat and calcium salt of palm oil fatty acids on ruminal fermentation and nutrient digestibility." <i>Journal of Dairy Science</i> , 71: 117-123.	
MM	38	GRUMMER (1991) "Effect of feed on the composition of milk fat." <i>Journal of Dairy Science</i> , 74:3244-3257.	
MM	39	IZZO AND HO (1989) "Protein-lipid interaction during single-screw extrusion of zein and corn oil." <i>American Association of Cereal Chemists</i> , 66(1): 47-51.	
MM	40	JENKINS (1993) "Lipid metabolism in the rumen." <i>Journal of Dairy Science</i> , 76: 3851-3863.	
MM	41	JENKINS et al. (1998) "Fatty acid composition of milk from Holstein cows fed with oleamide or canola oil." <i>Journal of Dairy Science</i> , 81: 794-800..	
MM	42	JENKINS et al. (1996) "Butylsoyamide increases unsaturation of fatty acids in plasma and milk of lactating cows." <i>Journal of Dairy Science</i> , 79: 585-590.	
MM	43	JENKINS AND PALMQUIST (1984) "Effect of fatty acids or calcium soaps on rumen and total nutrient digestability of dairy rations." <i>Journal of Dairy Science</i> , 67: 987-986.	
MM	44	JOST et al. (1986). "Heat gelation of oil-in-water emulsions stabilized by whey protein." <i>Journal of Food Science</i> , 51(2): 440-444.	
MM	45	KIM et al. (1993) "Supplemental dietary fat from extruded soybean and calcium soaps of fatty acids for lactating dairy cows." <i>Journal of Dairy Science</i> 76: 197-204.	
MM	46	KOWALSKI et al. (1999) "Effects of calcium soaps of rapseed fatty acids and protected methionine on milk yield and composition in dairy cows. <i>The Journal of Dairy Research</i> , 66: 475-487.	
MM	47	LACASSE et al. (2002) "Addition of fish oil to diets for dairy cows. I. Effects on the yield, composition and taste of milk." <i>Journal of Dairy Science</i> , 69: 511-520.	
MM	48	LOOR et al. (2002) "Nutrient digestion, biohydrogenation, and fatty acid profiles in blood plasma and milk fat from lactating Holstein cows fed canola oil or canolamide." <i>Animal Feed Science and Technology</i> , 97: 65-82.	

Examiner Signature	/Melissa Mercier/ (10/09/2006)	Considered
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MM	49	MATA-HERNANDEZ et al. (1978) "Protein protected fat for ruminants IV. Plasma lipids, insulin and depot fat composition of lambs." <i>Journal of Animal Science</i> , 46(5): 1338-1345.
MM	50	MAYES (2000) "Metabolism of unsaturated fatty acids and eicosanoids." Chapter 25. Pages 250-258. In Harper's Biochemistry. 25th edition. R.K. Murray, D.K. Granner, P.A. Mayes, and V.W. Rodwell (editors). Appleton & Lange, Stamford, CT.
MM	51	MAYES AND BOTHAM (2003) "Metabolism of unsaturated fatty acids & eicosanoids." Pages 190-196 in <i>Harper's Illustrated Biochemistry</i> . 26 th edition, R.K. Murray, D.K. Granner, P.A. Mayes, and V.W. Rodwell, (editors), Lange Medical Books/McGraw-Hill Medical Publishing Division.
MM	52	MOR et al. (1999) "Compressive properties of whey protein composite gels containing fractionated milkfat." <i>Journal of Food Science</i> , 64(6): 1078-1083.
MM	53	MORR AND HA (1993) "Whey protein concentrates and isolates: Processing and functional properties." <i>Critical Reviews in Food Science and Nutrition</i> , 33(6): 431-476.
MM	54	NEY (1991) "Potential for enhancing the nutritional properties of milk fat." <i>Journal of Dairy Science</i> , 74: 4002-4012.
MM	55	NOAKES et al. (1996) "Modifying the fatty acid profile of dairy products through feedlot technology lowers the plasma cholesterol of humans consuming the products." <i>American Society for Clinical Nutrition</i> 63: 42-46.
MM	56	OPSTVEDT (1984) "Fish fats," In <i>Fats in Animal Nutrition</i> . J. Wiseman (editor). Butterworths. Chapter 3, pages 53-82.
MM	57	OPSTVEDT (1985) "Fish lipids in animal nutrition." <i>International Association of Fish Meal Manufacturers Technical Bulletin</i> No. 22, October 22, 1995, pp.2-27.
MM	58	PALMQUIST (1988) "The feeding value of fats." In <i>Wld Anim. Sci. (Feedstuff)</i> . (Eds D. E. Tribe and R. Orskov). Pp. 293-311. Elsevier Science Publisher, The Netherlands.
MM	59	PALMQUIST et al. (1993) "Feed and animal factors influencing milk fat composition." <i>Journal of Dairy Science</i> , 76: 1753-1771.
MM	60	PAN et al. (1972) "Formaldehyde-treated casein-safflower oil supplement for dairy cows." <i>Journal of Dairy Research</i> 39: 203-210.
MM	61	POLLARD et al. (1990) "Desaturation of positional and geometric isomers of monoenoic fatty acids by microsomal preparations from rat liver. <i>Lipids</i> 5:306-314.
MM	62	PLOWMAN et al. (1971) "Milk fat with increased polyunsaturated fatty acids." <i>Journal of Dairy Science</i> , 55: 204-207.
MM	63	RIFAAT et al. (1977) "Effect of feeding cotton seed oil-casein-formaldehyde supplement on the composition of buffalo milk." <i>Egyptian Journal of Dairy Science</i> 5: 31-35.

Examiner Signature	/Melissa Mercier/ (10/04/2006)	Date Considered
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MM	64	ROSENBERG AND LEE (1993) "Microstructure of whey protein/anhydrous milkfat emulsions." <i>Food Structure</i> , 12: 267-274.
MM	65	SCOTT et al. (1970) "Production of polyunsaturated milk fat in domestic ruminants." <i>Australian Journal of Science</i> 32(7): 291-293.
MM	66	SCOTT et al. (1971) "Protection of dietary polyunsaturated fatty acids against microbial hydrogenation in ruminants." <i>Journal of American Oil Chemists' Society</i> , 48: 358-364.
MM	67	SCOTT and ASHES (1993) "Dietary lipids for ruminants: protection, utilization and effects on remodeling of skeletal muscle phospholipids." <i>Australian Journal of Agricultural Research</i> , 44: 495-508.
MM	68	SCOTT AND COOK (1975) "Effect of dietary fat on lipid metabolism in ruminants." In: <i>Digestion and Metabolism in the Ruminants</i> . Proc. 4th Int. Symp. on Ruminants Physiology. Eds. I.E. McDonald and C. Warner, pp. 510-523. University of New England, Armidale.
MM	69	SUKHIJA AND PALMQUIST (1990) "Dissociation of calcium soaps of long chain fatty acids in rumen fluid." <i>Journal of Dairy Science</i> , 73: 1784-1787.
MM	70	TONG et al. (1995) "Effects of feeding supplemental fat to dairy cattle on milk fat composition and properties." <i>Journal of Dairy Science</i> (Suppl. 1): pp. 134 D118.
MM	71	VIVIANI (1970) "Metabolism of long-chain fatty acids in the rumen." <i>Advances in Lipid Research</i> 8: 267-346.
MM	72	WRENN (1976) "Milk and tissue lipid composition after feeding cows protected polyunsaturated fat for two years." <i>Journal of Dairy Science</i> , 60: 521-532.
MM	73	WU AND PAPAS (1997) "Rumen-stable delivery systems." <i>Advanced Drug Delivery Reviews</i> , 28: 323-334.

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PTO/SB/08A (08-03)

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MM	1	2002/132756	A1	Lee	09-19-2002	
MM	2	4,216,234		Rawlings et al.	08-05-1980	

FOREIGN PATENT DOCUMENTS

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MM	3	EP	0 165 663	A1	Unilever NV	12-27-1985		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

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